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Gas Works Sediment Area

Exhibit A
Current and Former Ownership

Exhibit B

Statement of Work

The RI/FS for the Initial Area of Investigation will be managed as two side-by-side study areas, referred to as the Eastern Study Area and the Western Study Area. The Area of Investigation and the Eastern and Western Study Areas are depicted in Exhibit D. Puget Sound Energy (PSE) will be responsible for RI/FS activities in the Eastern Study Area. The City of Seattle (City) will be responsible for RI/FS activities in the Western Study Area. PSE and the City will coordinate their work in the two study areas to ensure that the RI/FS process is well organized, results in consistent and complimentary preferred remedial alternatives for the two study areas, and is efficient overall. PSE and the City will also work with the Department of Ecology to organize a single Public Involvement Process for the entire Area of Investigation.

Area of Investigation

Area of Investigation Task 1: Public Participation Plan

PSE and the City will assist the Ecology Public Involvement Specialist in preparing and implementing a Public Participation Plan for the Area of Investigation.

Eastern Study Area - PSE

The Schedule of Deliverables for the conduct of the tasks described below is attached hereto as Exhibit C – Eastern Study Area and incorporated by reference.

Eastern Study Area RI/FS Task 1: Remedial Investigation/Feasibility Study Work Plan

A work plan will be prepared for a focused Remedial Investigation/Feasibility Study (RI/FS) that meets the requirements of WAC 173-340 and WAC 173-204.

The objectives of the RI/FS Work Plan will be to provide the scope, methods and procedures for an additional phase of investigation that will: refine the conceptual site model for the Eastern Study Area, refine the extent of horizontal and vertical contamination in sediments within the Eastern Study Area, as depicted in Exhibit D and as modified pursuant to Section IV, Paragraph 2, of this agreement, caused by unrefined manufactured gas plant raw materials, products, and byproducts, and other historical activities, and further characterize geotechnical conditions in the Eastern Study Area so that remedial alternatives can be evaluated in the Feasibility Study. The RI/FS Work Plan will provide:

- A conceptual site model for the Eastern Study Area, including current conditions, potential sources, and existing regulatory framework.
- A review of existing environmental sediment data, including physical, chemical, biological, and geotechnical data.

- Identification of data gaps in nature and extent and remedy feasibility.
- Provisions for collecting the required data.
- A sampling and analysis plan (SAP).
- A Quality Assurance Protection Plan (QAPP).
- A Health and Safety Plan (HSP).

The Work Plan will be reviewed and approved by Ecology prior to initiating field activities.

Eastern Study Area RI/FS Task 2: Implement Remedial Investigation/Feasibility Study Work Activities

The work plan developed in Task 1 will be implemented in accordance with applicable in-water work constraints and required agency permits and approvals. This includes field sampling activities and laboratory analyses.

Eastern Study Area RI/FS Task 3: Remedial Investigation/Feasibility Study Report

A RI/FS Report will be prepared that meets the requirements of WAC 173-340 and WAC 173-204.

The objectives of the RI/FS Report will be: to establish sediment cleanup standards, to determine the horizontal and vertical extent of contamination in sediments in the Eastern Study Area, as depicted in Exhibit D and as modified pursuant to Section IV, Paragraph 2, of this agreement, caused by unrefined manufactured gas plant raw materials, products, and byproducts, and other historical activities, and to identify and evaluate remedial alternatives.

The RI/FS Report will include:

- Establishment of site-specific cleanup standards and/or sediment cleanup standards in general accordance with WAC 173-204-570-based criteria.
- Identification of remedial alternatives, including remediation levels as appropriate. Remedial alternatives are to include, but not be limited to, institutional measures, capping, and dredging.
- Evaluation of remedial alternatives in general accordance with WAC 173-340.
- Evaluation of the possibility of post-remedial sediment recontamination from both uplands and in-water sources.
- Identification of a preferred remedial alternative for the Eastern Study Area.

The Eastern Study Area RI/FS will be reviewed and approved by Ecology.

Western Study Area - City

The Schedule of Deliverables for the conduct of the tasks described below is attached hereto as Exhibit C – Western Study Area and incorporated by reference.

Western Study Area RI/FS Task 1: Current Situation Report and RI/FS Work Plan

A work plan will be prepared for a focused Remedial Investigation/Feasibility Study (RI/FS) that meets the requirements of WAC 173-340 and WAC 173-204.

The objectives of the Current Situation Report and RI/FS Work Plan will be: to provide a conceptual site model for the Western Study Area, to determine the extent of horizontal and vertical contamination in sediments within the Western Study Area, as depicted in Exhibit D and as modified pursuant to Section IV, Paragraph 2, of this agreement, caused by historical manufactured gas plant, tar refinery, and other associated activities, and to determine geotechnical constraints of the Western Study Area so that remedial alternatives can be evaluated in the Feasibility Study. The Current Situation Report and RI/FS Work Plan will provide:

- A conceptual site model for the Western Study Area, including physical setting, current conditions, historical use, potential sources, and existing regulatory framework.
- A review of existing environmental sediment data, both chemical and geotechnical.
- Identification of data gaps in nature and extent and remedy feasibility.
- Provisions for collecting the required data.
- A sampling and analysis plan (SAP).
- A quality assurance protection plan (QAPP).
- A health and safety plan (HSP).

The Work Plan will be reviewed and approved by Ecology prior to initiating field activities.

Western Study Area RI/FS Task 2: Implement Remedial Investigation/Feasibility Study Work Activities

The work plan developed in Task 1 will be implemented in accordance with applicable in-water work constraints and required agency permits and approvals. This includes field sampling activities and laboratory analyses.

Western Study Area RI/FS Task 3: Data Report

A data report will be prepared that presents an analysis of the results of field logs and laboratory analyses of the Task 2 sampling. The data report will be submitted to Ecology for review and approval. Ecology may determine, after reviewing the data report, that a supplemental investigation is necessary before execution of Task 4.

Western Study Area RI/FS Task 4: Remedial Investigation/Feasibility Study Report

A RI/FS Report will be prepared that meets the requirements of WAC 173-340 and WAC 173-204.

The objectives of the RI/FS Report will be: to establish sediment cleanup standards and to identify and evaluate remedial alternatives. The RI/FS Report will include:

- Establishment of site-specific cleanup standards and/or sediment cleanup standards in general accordance with WAC 173-204-570-based criteria.
- Identification of remedial alternatives, including remediation levels as appropriate. Remedial alternatives are to include, but not be limited to, dredging, institutional measures and capping.
- Evaluation of remedial alternatives in general accordance with WAC 173-340.
- Evaluation of the possibility of post-remedial sediment recontamination (e.g., source control) from both uplands and in-water sources.
- Identification of a preferred remedial alternative for the Western Study Area.

The Western Study Area RI/FS will be reviewed and approved by Ecology.

Exhibit C

Schedule of Deliverables Eastern Study Area - PSE

Deliverable	Due Date
Draft RI/FS Work Plan	Not later than 30 days after the Effective Date
Ecology Comments on the draft RI/FS Work Plan	Not later than 30 days following the receipt of the Draft RI/FS Work Plan, or 30 days after the effective date whichever is longer.
Draft RI/FS Report	Not later than 270 days following the receipt of Ecology's comments on the draft work plan.
Ecology Comments on the Draft RIFS	Not later than 45 days after receipt of the Draft RI/FS
PSE responds with written comments to Ecology's Comments on the Draft RI/FS	Not later than 30 days after receipt of Ecology's comments.
Ecology directs production of the Final Draft RI/FS	Not later than 30 days after receipt of PSE's response to Ecology's comments.
Final Draft RI/FS delivered to Ecology	No later than 45 Days after Ecology orders production of the final Drat RI/FS
Public comment period	Not later than 45 days after receipt of the Final Draft RI/FS

Exhibit C
Schedule of Deliverables
Western Study Area - City

Deliverable	Due Date
Draft Current Situation Report and Work Plan	Not later than 30 days after the effective date.
Ecology's Comments on the Draft Current Situation Report and Work Plan	Not later than 30 days after the receipt of the Draft Current Situation Report and Work Plan
Final Current Situation Report and Work Plan	Not later than 60 days after receipt of Ecology's comments on the Draft Current Situation Report and Work Plan
Draft Data Report	Not later than 260 days following the receipt of Ecology's comments on the Draft Current Situation Report and Work Plan
Draft RI/FS	Not later than 270 days following receipt of Ecology's comments on the Draft Data Report
Ecology's comments on the Draft RI/FS	Not later than 45 days after receipt of the Draft RI/FS
The City responds with written comments in response to Ecology's comments on the Draft RI/FS	Not later than 60 days following the receipt of Ecology's comments.
Ecology directs the production of the Draft Final RI/FS	Not later then 30 days after receipt of the City's response to Ecology's Comments.
Ecology receives the Final Draft RI/FS	Not later than 45 days after Ecology orders production of the Final Draft RI/FS
Public Comment Period	Not later than 45 days after the receipt of the Draft Final RI/FS

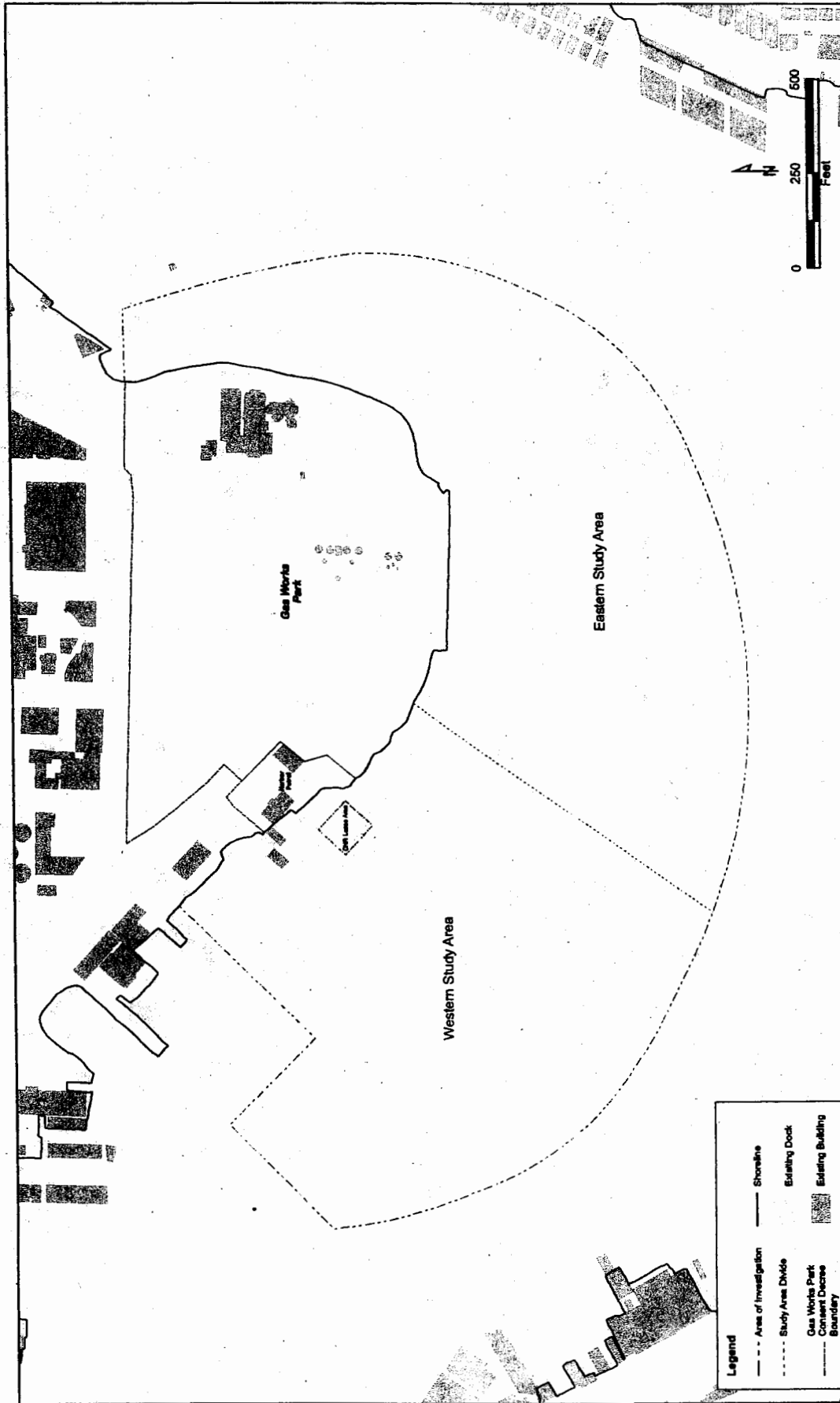


Exhibit D
Area of Investigation (AOI) with Dividing Line for Eastern and Western Study Areas

Gas Works Sediment Area

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DATE: 3/20/2018
BY: J. SNIDER
PROJECT: Gas Works Sediment Area
DRAWING: Exhibit D - Dividing Line